

M.A. Examination, 2017
Semester-II
Geography
Course – IX
(Landscape and Human Ecology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *three* questions selecting **one** from each unit.

Unit-I

(Concepts, Approaches and Theories in Landscape Ecology)

1. What do you understand by the term *Landscape Ecology*? Discuss in brief the contribution of different disciplines in this context. 6+8=14
2. Explain patch dynamics and bring out the following dimensions of the different patches:
i) Structural ii) Functional iii) Resource iv) Habitat v) Corridor 4+10=14

Unit-II

(Processes and Principles of Landscape Dynamics)

3. What are the major factors responsible for soil degradation? Assess the role of soil conservation measures for augmentation of soil fertility. 7+6=13
4. Specify the different levels of land use survey. Discuss the method of land capability classification put forward by USDA. Mention the *merits* and *demerits* of this method. 4+5+4=13

Unit-III

(Basics and Emerging Dimensions of Human Ecology)

5. Trace the evolution of human ecology as an independent discipline of study. What is the connotation of ecological foot print? 13
 6. Bring out the relevance of the principles of *food chain* and *food web* in analyses of human ecosystem. How does human ecology relate population related issues? 10+3=13
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